

Update Instructions

SP013/02/S

Title: Software Update

Reason for update: ☒ SafetyUrgency: ☒ Immediate ☐ Within 3 monthsUpdate materials required? ☒ Yes ☐ NoMaterials free of charge? ☒ Yes ☐ NoReturn of parts? ☐ Yes ☒ No

Estimated completion time: 2.5 h Number of CSE's: 1

Customer application training? ☐ Yes ☒ No**Systems/Products affected/System identifying IVK**

Name	Material No.	Serial No.
UROSKOP D2/D3 (SX)	97 85 015 G5354	1050, 1053 - 1186

Remark: n.a.

Components affected/to be modified/IVK

Name	Material No.	Serial No.	Component status affected
n.a.	n.a.	n.a.	n.a.

Remark: n.a.

Chg. Ref. No.: 112 559
Name: Erlwein
Dept.: CS PS 24

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Document Revision Level

This document corresponds to the version/revision level effective at the time of system delivery. Revisions to hardcopy documentation are not automatically distributed.

Please contact your local Siemens office to order current revision levels.

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Systems/Products Affected

UROSKOP D2 / D3 with POLYDOROS SX.

Reason for the Update

With UROSKOP D systems, unforeseen, uncontrolled system movements or unwanted automatic movements of the tabletop may occur e.g. when raising the unit out of its horizontal position.

Prerequisites

In order to be able to make the changes on boards, the servicetechnician must have the knowledge and experience required for soldering on boards. If this is missing, a changed board must be ordered.

Special Tools / Documents

Service PC with WIN 95/98 operating system.

Serial PC connection cable 99 00 440.

Ordering Information

The following update kit has to be ordered from CSML (SAP Distribution Channel, factory 2050) or BU Logistics (factory BU) (only with an order via BU Logistics):

Update Kit 11 56 624

List the system Serial Number on the order!

NOTE

If a second HBF (tableside control) is installed on the system, firmware 11 56 558 must be ordered in addition.

Contents of the Update Kit

Update kit 11 56 624 contains the following parts:

Pos.	Quan.	Part No.	Name
1	1	16 61 300	Host Software VA00F
2	1	16 28 523	Firmware ABF VA00C
3	1	16 61 326	Firmware BBC VA00C
4	1	11 56 558	Firmware HBF VA00D
5		74 62 901	Generator Host Software Update VE00D
6	2		Connecting cables
7	0.5 m		Wire
8	0.5 m		Solder tin
9	1		Technical document

Tab. 1

Return of Parts

n.a.

Work Steps

Installation of the Service Software VA00B

NOTE

The service software must be installed on the service PC, unless it is already installed. If this is the case, you only need to copy the "Uros.hex" file from the host software disk into the corresponding directory.

The "Initdisk.exe" program can be run only on the floppy disk. The floppy disk must not be write-protected for this.

- Insert the floppy disk with the service software in the drive of the PC. Run the "Initdisk.exe" program from the floppy disk. If the file is started under Windows, then a DOS window opens. Answer the prompt for the unit and the system number appropriately and confirm with <Enter>. The required files on the floppy disk are provided with the serial number of the system.
- Create a folder on the hard disk (e.g. with the serial number of the system (Uro01234)) and copy all files from the floppy disk into this folder.

NOTE

Note the number allocated here, it is required as "Name for configurationsfiles" when starting the service software.

- If the "Uros.hex" file of an earlier version already exists in the directory, delete or rename this file.
- Insert the floppy disk with the HOST software (VA00F) in the drive of the PC and copy the "Uros.hex" file into the created folder.

Starting the Service Program

NOTE

The Service program can be run only in the DOS mode, however not in the DOS window.

- Connect the PC Com interface with PC board D1 X10 via a serial cable.
- When switching on the Service PC, press the F8 key to interrupt the run-up. Start the DOS operating system by actuating the numerical key 6 (WIN95) or numerical key 5 (WIN98) and then the Enter key. Only the DOS operating system is started, the operating systems WIN 95 or WIN 98 are not started.
If a boot manager for different operating systems is installed, first select the operating system WIN 95 or WIN 98 and then immediately press the F8 key to interrupt the run-up.

NOTE

You must press the two keys very quickly after one another.

- Change into the created folder in the DOS mode (cd Uro01234 <Enter>).

- Start the program (service.exe <Enter>)
There are further starting options in addition:
service.exe /c<Enter> colored display
service.exe /s<Enter> simulation of the Service program
- Enter name at "Username" <Enter>.
- Enter password at "Password".
- Enter the number allocated in "Initdisk" as Uroxxxxx at "Name for configurationsfiles".

Saving the System Parameters

NOTE

The system parameters are retained when the software is downloaded. They are saved only as a precautionary measure in case of unforeseen problems.

- Call up "Load from unit" from the "Unit parameters" menu <Enter>.
- Save the unit parameters of the system with "Write to file" <Enter>.
 - The parameter block is written to the directory of the SSW.

NOTE

The name of the parameter block is generated and displayed below in the window.

- Close the window with < ESC >.
- Quit the Service program with < F10 >.
- Call up the "Service SW" table of contents with "DIR" and < Enter > and check to see if the new parameter file UROxxxxx.Pxx is present.

Checking the IR foot switch

NOTE

If another UROSKOP D with IR foot switch is in operation nearby, the two units must be set to different frequencies.

- Test the IR foot switch of the first system on the second system.
- Test the IR foot switch of the second system on the first system.
- The IR foot switches must not work on the respective other system.
- See note on frequency selection in the UROSKOP wiring diagram (General Notes *13).

Hardware Changes

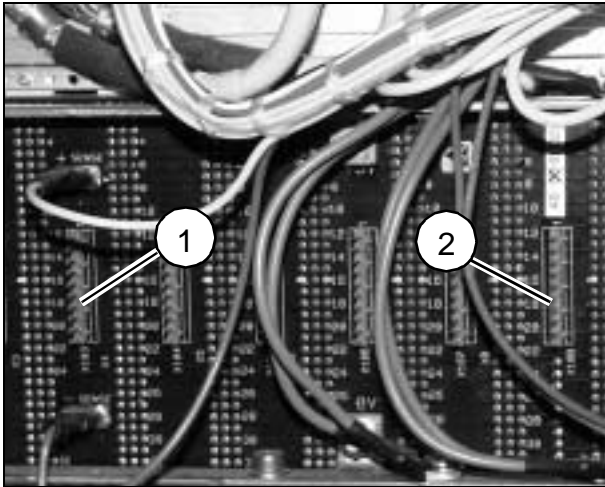


Fig. 1

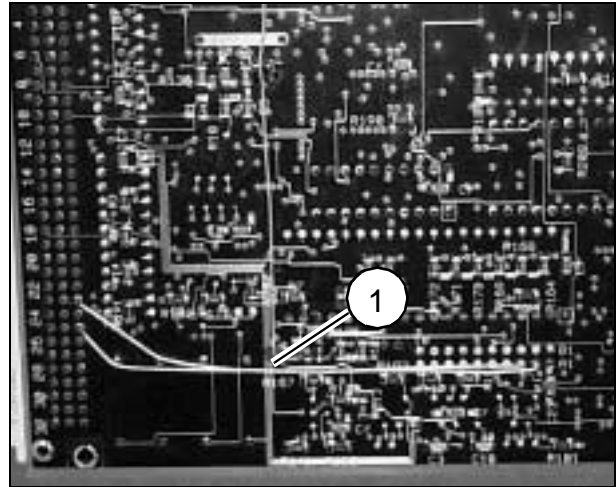


Fig. 2

- Swivel out the control unit M20.
- Remove any EMC covers.
- Run the cables on the rear of the electronics frame from terminal strip X103 (1/Fig. 1) to terminal strip X108 (1/Fig. 2).
- When connecting the cables, make sure that they are not plugged in the wrong way round, e.g. connection from X103.7 to X108.7 and from X103.8 to X108.8.
- Reattach the EMC covers, swivel in the control unit and fasten it with screws.
- On PC board D3, solder the following wires (1/Fig. 2):
 - From terminal strip X1/c25 to X11/A3.
 - From terminal strip X1/c23 to X11/A2.
- Fit the PC board.

Replacing the ABF-Controller Firmware

- Replace PROM J9 on board D1 with the PROM from the upgrade kit included in delivery.

Replacing the BBC-Controller Firmware

- Replace PROM J7 on board D3 with the PROM from the upgrade kit included in delivery.

Replacing the HBF Firmware

NOTE

If a second HBF (tableside control) is installed in the system, firmware 11 56 558 must be ordered in addition.

- Place the HBF on a flat surface with the control side facing down.
- Loosen the four fastening screws and remove the rear cover.

- Replace firmware J1 on board D130 with the firmware from the upgrade kit included in delivery.
- When assembling the HBF, make sure that there are no loose parts in the housing.

Entering the Designation of the Software Version

- Call up the "Options" submenu from the main menu.
- Call up "Parameter Ver" from the "Options" submenu and enter the new software version number (VA00F) in "Set new".
- Check date and time, and reset if necessary.
- Terminate Service program with <F10>.

NOTE

If error F800 is displayed, perform a reset in the Service program under: Mainmenu → Options → Watchdog Count.

Downloading the New UROSKOP Software

- Start the Service program.

NOTE

The Service program can be run only in the DOS mode, however not in the DOS window.

- In the Service program: call up the "Download" submenu, select "Uros.VA00F" and transfer this file to the system with <Enter>.
- Answer the following query with < Y> to start the download procedure.
- On completing the download, return to the main menu with <ESC>.
- If any error messages are displayed during data transfer, press the Reset switch on Host board D1 and repeat the download process.
- On completing the download, switch the system off and back on.

NOTE

If the enable key for system movements is programmed, the enable time should be at least 60 seconds due to the changed monitoring.

Downloading the new POLYDOROS SX - Software

NOTE

Only versions VE00B or VE00C can be updated.
This software must already be installed on the service PC.

- Insert disk 74 62 901 into drive "a".
- Click "Install.exe".
- Select "Custom install".
- Depending on the software, version VE00B or VE00C is displayed.
- Select the version to be updated.

- Click "Continue".
- Confirm the following message with "Continue".
- Confirm the message "The installation is complete and the application has been properly set up" with ok.
- Remove the floppy disk from drive "a".

NOTE

The floppy disk must not be in drive A, otherwise no complete version comparison is performed on "Version to Load".

- Connection on PC board D210XC.
- Click the changed SSW (VE00C oder VE00D) in the "Service" folder .
- Enter the user name.
- Select System → Connect and confirm with OK.
- If the message "SSW and HOST version & differ" is displayed after the self-test, confirm this message with OK.
- Select Data → Download.
- Select "Check".
- Once the message "Versions checked" appears in the bottom left field, begin the update with "Start".
- After the download process the system is reset, and the message "Download successful" is displayed in the bottom field. Close this window with "Quit".
- Perform Data → Restore Backup with the current data.
- Select System → Disconnect.
- The generator must run up normally.
- Terminate the Service program with "Quit".

Final Check

- Function check of the system according to the modifications that have been made.

Customer Information

n.a.

Final Work Steps

- Update the system documentation.
Update the revision level, the operating instructions and the technical documentation.
Fill out, and if needed, make a copy of the attached "Completion Protocol/ Update Completion Form" and file it in the corresponding System Binder/User Handbook.
- Updates that have already been completed prior to publication of this SI must also be reported.
- The update is reported as follows:
 - The modification reply cards (Type 606) previously distributed with the publication of updates no longer apply.
 - The modification reply report has to be prepared by authorized personnel using an application on the Intranet.)

Changes to Previous Version

n.a.

Completion Protocol

The update with the number **SP013/02/S** has been completed.

Material Number: 97 85 015 G5354

Serial Number:

Customer:

Site:

Customer No.:

Name (CSE):

Telephone:

Country:

Location:

Date:

Signature:

Remark:

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NOTE

After completing the update, make a copy of this page, fill it out and file it in the corresponding System Binder/User Handbook.
